

Facility ID: 0607030199 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

- [Go to Part II for Emissions Unit F001](#)
- [Go to Part II for Emissions Unit F002](#)
- [Go to Part II for Emissions Unit P001](#)
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Facility ID: 0607030199 Emissions Unit ID: F001 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Unpaved Roads and Parking Areas	PTI 17-1296	0.10 TPY PM
	3745-17-08(B)	There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed 3 minutes during any 60-minute observation period. See T&C B.1., B.2., B.3., and B.4. Same as PTI

2. **Additional Terms and Conditions**
 - (a) None

B. Operational Restrictions

1. The permittee shall apply dust suppressants to the unpaved roadways and parking areas to minimize or eliminate, at all times, visible emissions of fugitive dust generated by vehicular traffic. Water shall be used as the dust suppressant, and the following equipment shall be used for the periodic applications: water truck. The dust suppressant shall be applied to the unpaved surfaces, on an as needed basis. This term and condition shall be waived during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.
2. Any material carried off of the permittee's property and deposited onto public streets by vehicular traffic or by erosion by water, etc., shall be promptly removed and disposed of properly to minimize or prevent resuspension.
3. A maximum speed limit of 15 miles per hour shall be posted and enforced on the property.
4. Open bodied vehicles transporting materials likely to become airborne shall be covered at all times.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records which include the following information for the unpaved roadways and parking areas:
 - a. The date dust suppressants were applied to the unpaved surfaces.
 - b. The portions of unpaved surfaces that were treated with dust suppressants.
 - c. The application rate of water and any chemical additives (gallons of each per square yard).
 - d. The name of the equipment operator responsible for the application of the dust suppressants.

D. Reporting Requirements

1. An annual report describing the type and amount of dust suppressant applied, any exceedance of the visible emission limit, why the exceedance occurred, and any corrective action taken, must be submitted to the North

Ohio Valley Air Authority by February 15 of each year.

E. Testing Requirements

1. Compliance with the visible particulate emission limitation shall be determined in accordance with the test method and procedures in OAC 3745-17-03(B)(4).
2. Compliance with the mass emission limit in section A.1. of these terms and conditions shall be demonstrated by the use of emission factors found in the US EPA publication titled Compilation of Air Pollutant Emission Factors AP-42, 11.2.1-1.

Emission Factors:

4 wheel - .15 lb/vehicle mile traveled (lb/VMT).

18 wheel - .215 lb/vehicle mile traveled.

Multiply the annual VMT for each vehicle type by the emission factor to obtain the annual lbs/yr (uncontrolled).

Multiply the lbs/yr (uncontrolled) for each vehicle type by the control efficiency for water and speed reduction, which is 80% to obtain lbs/yr (controlled).

Divide the total lbs/yr for all vehicle types by 2,000 lbs/ton, to get total tons/yr (controlled).

F. Miscellaneous Requirements

1. None

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1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Saw Dust Storage Trailer	PTI 17-1296	0.1 TPY PM
		Visible emissions of fugitive dust shall not exceed 10 % opacity as a 3-minute average.
		See T&C B.1
	3745-17-08(B)	Same as PTI.

2. **Additional Terms and Conditions**

(a) None

B. Operational Restrictions

1. The permittee shall maintain and employ an enclosed storage trailer, with vents covered with properly sized screens, to capture and contain all of the sawmill's sawdust in a manner to minimize or eliminate visible particulate emissions of fugitive dust.

C. Monitoring and/or Record Keeping Requirements

1. None

D. Reporting Requirements

1. An annual report of any exceedance of the visible emission limit, the reason why the exceedance occurred, and any corrective action taken, shall be submitted to the North Ohio Valley Air Authority by February 15 of each year.

E. Testing Requirements

1. Compliance with the visible particulate emission limitation shall be determined in accordance with the test method and procedures in OAC 3745-17-03(B)(1).
2. Compliance with the mass emission limit in section A.I of these terms and conditions shall be demonstrated by the use of emission factors found in the US EPA publication titled Compilation of Air Pollutant Emission Factors AP-42, 10.4.3.

Emission Factor:

2.0 lbs/ton

2.0 lbs/ton x TPY of sawdust = lbs/yr (uncontrolled).
 lbs/yr (uncontrolled) times a control efficiency of 95% (1-.95) = lbs/yr (controlled).
 lbs/yr (controlled) divided by 2,000 lbs/ton = TPY (controlled)

F. Miscellaneous Requirements

1. None

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1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

(a) None.

2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

(a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Wood Working System #1 with fabric filter	PTI 17-1296	0.10 lb PM/hr. and 0.10 TPY PM
		Visible emissions from baghouse shall not exceed 20%, as a 6-minute average, except for one 6-minute period during which opacity up to 60%, as a 6-minute average is permitted.
		See T&C B.1.
	3745-17-07(A)(1)	Same as PTI
	3745-17-08(B)	Same as PTI

2. **Additional Terms and Conditions**

(a) None

B. Operational Restrictions

1. The permittee shall maintain and employ the fabric filter control device in accordance with the manufacturer's recommendations.

C. Monitoring and/or Record Keeping Requirements

1. None

D. Reporting Requirements

1. An annual report of any exceedance of the visible emission limit, reason exceedance occurred, and any corrective action taken, shall be submitted to the North Ohio Valley Air Authority by February 15 of each year.

E. Testing Requirements

1. Compliance with the visible particulate emission limitation shall be determined in accordance with the test method and procedures in OAC 3745-17-03(B)(1).

- 2. Compliance with the mass emission limit in section A.I. of these terms and conditions shall be demonstrated by the use of emission factors found in the US EPA publication titled Compilation of Air Pollutant Emission Factors AP-42, page 10.4.2.

Emission Factor:

5 lbs/hr.

5 lbs/hr x hrs/yr = lbs/yr (uncontrolled)
 lbs/yr (uncontrolled) times a control efficiency of 99.9% (1-.999) = lbs/yr (controlled)
 lbs/yr (controlled) divided by 2,000 lbs/ton = TPY (controlled)

F. Miscellaneous Requirements

- 1. None

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Part II - Special Terms and Conditions

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- 1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
- 2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Wood Working System #2 with fabric filter	PTI 17-1296	0.10 lb PM/hr. and 0.10 TPY PM
	3745-17-07(A)(1)	Visible emissions from baghouse shall not exceed 20%, as a 6-minute average, except for one 6-minute period during which opacity up to 60%, as a 6-minute average is permitted.
	3745-17-08(B)	See T&C B.1. Same as PTI Same as PTI

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

- 1. The permittee shall maintain and employ the fabric filter control device in accordance with the manufacturer's recommendations.

C. Monitoring and/or Record Keeping Requirements

- 1. None

D. Reporting Requirements

- 1. An annual report of any exceedance of the visible emission limit, reason exceedance occurred, and any corrective action taken, shall be submitted to the North Ohio Valley Air Authority by February 15 of each year.

E. Testing Requirements

- 1. Compliance with the visible particulate emission limitation shall be determined in accordance with the test method and procedures in OAC 3745-17-03(B)(1).
- 2. Compliance with the mass emission limit in section A.I. of these terms and conditions shall be demonstrated by the use of emission factors found in the US EPA publication titled Compilation of Air Pollutant Emission Factors AP-42, page 10.4.2.

Emission Factor:

5 lbs/hr.

$5 \text{ lbs/hr} \times \text{hrs/yr} = \text{lbs/yr (uncontrolled)}$

$\text{lbs/yr (uncontrolled)} \times \text{control efficiency of } 99.9\% (1-.999) = \text{lbs/yr (controlled)}$

$\text{lbs/yr (controlled)} \div 2,000 \text{ lbs/ton} = \text{TPY (controlled)}$

F. **Miscellaneous Requirements**

1. None